

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (previously presented): A system for acquiring information and functions from a database, comprising:

at least one context object containing a data record that has information and functions from the database and a context-specific menu that has a control component enabling access by a user to the context object,

a context manager:

automatically determining a current context of the user by at least one of a position in space, a work object and a work task of the user,

automatically generating selected context objects from the context of the user in an automatic context registration by dynamically selecting the context objects as a function of the current context of the user, and

automatically offering the selected context objects to the user without requiring the user to make individual preselections,

a display device displaying a context display for visualizing the selected context objects,
and

a tracking system detecting and recognizing real objects in a space, the tracking system comprising at least one image detection unit detecting the real objects and a computer unit processing information output by the image detection unit,

wherein the processed information from the tracking system is provided to the automatic context registration for automatic generation of the context of the user.

2. (original): The system as recited in Claim 1, wherein the context objects are assigned granularity levels, wherein the context manager comprises a granularity regulator selecting the context objects from a selection range as a function of a selected granularity level, and wherein the size of the selection range is dependent on the granularity level selected.

3. (original): The system as recited in Claim 2, wherein the assignment of the granularity levels of the context objects is at least one of an automatic assignment and a user-guided assignment of the granularity level.

4. (original): The system as recited in Claim 1, wherein the control component of the context-specific menu enables access by the user to the information and the functions and enables removal by the user of the selected context objects from the context display.

5. (previously presented): The system as recited in Claim 1, further comprising a manual context registration providing a user-guided generation of the selected context objects from the context of the user.

6. (canceled).

7. (previously presented): The system as recited in Claim 1, further comprising a workflow engine monitoring and controlling a work task of the user, wherein information supplied by the workflow engine is provided to the automatic context registration for automatic generation of the context of the user.

8. (original): The system as recited in Claim 1, wherein the context of the user is determined additionally as a function of communication partners of the user.

9. (original): The system as recited in Claim 5, further comprising references prompting the context manager to select the context objects from the context of the user by the manual context registration, wherein the references comprise at least one of entries in the context-specific menu or marks on real objects in a space.

10. (original): The system as recited in Claim 1, wherein the display device is a mobile display.

11. (original): The system as recited in one of the preceding claims,
wherein the control component selects the context objects to be visualized on the display device by the user.

12. (original): The system as recited in Claim 1, further comprising a further control component generating messages regarding external information, wherein the context of the user is determined additionally as a function of the messages.

13. (original): The system as recited in Claim 1, wherein the database is configured for receiving notes of the user that are linked to the context of the user, the notes being classified as one of private, public, and relevant to data maintenance.

14. (previously presented): A method of acquiring information and functions from a database, wherein at least one context object contains a data record comprising information and functions from the database and a context-specific menu has a control component enabling a user to access the context object, comprising:

determining a current context of the user by at least one of a spatial position, a work object and a work task of the user;

automatically generating selected context objects from the context of the user in an automatic context registration by dynamically selecting the context objects as a function of a current context of the user without requiring the user to make individual preselections;

offering the selected context objects to the user;

displaying a context display of ones of the selected context objects,

detecting and recognizing real objects in a space, comprising detecting the real objects and processing information therefrom; and

providing the processed information to the automatic context registration.

15. (original): The method as recited in Claim 14, further comprising:

assigning the context objects granularity levels;

selecting a granularity level; and

selecting the context objects from a selection range as a function of the selected granularity level;

wherein the size of the selection range is dependent on the selected granularity level.

16. (original): The method as recited in Claim 15, wherein the assigning of the granularity levels of the context objects is at least one of an automatic assignment and a user-guided assignment of the granularity level.

17. (original): The method as recited in Claim 14, wherein the control component of the context-specific menu enables access by the user to the information and the functions and enables removal by the user of the selected context objects from the context display.

18. (previously presented): The method as recited in Claim 14, further comprising a manual context registration, whereby the selected context objects are generated manually in a user-guided operation.

19. (canceled).

20. (original): The method as recited in Claim 18, further comprising:
monitoring and controlling a work task of the user; and
providing information generated by the monitoring and the controlling to the automatic context registration.

21. (original): The method as recited in Claim 14, wherein the current context of the user is determined additionally as a function of communication partners of the user.

22. (original): The method as recited in Claim 18, further comprising:

utilizing references to prompt selection of the context objects from the current context of the user, wherein the references comprise at least one of entries in the context-specific menu or marks on real objects in a space.

23. (original): The method as recited in Claim 14, wherein the context display is displayed on a mobile display.

24. (original): The method as recited in Claim 14, wherein the user selects the context objects to be displayed in the context display via the control component.

25. (original): The method as recited in Claim 14, further comprising:

generating messages regarding external information, wherein the context of the user is determined additionally as a function of the messages.

26. (original): The method as recited in Claim 14, wherein the database is configured for receiving notes from the user that are linked to the context of the user, the notes being classified as one of private, public, and relevant to data maintenance.

27. (previously presented): A computer readable medium comprising instructions readable by a computing device for performing a method of acquiring information and functions from a database, wherein a plurality of context objects contain respective data records comprising information and functions from the database, comprising:

determining a current context of the user by at least one of a spatial position, a work object and a work task of the user;

automatically generating selected context objects from the context of the user in an automatic context registration by dynamically selecting the context objects as a function of the current context of the user without requiring the user to make individual preselections;

offering the selected context objects to the user;

displaying a context display of ones of the selected context objects as the acquired information and functions, and

detecting and recognizing real objects in a space, comprising detecting the real objects and processing information therefrom; and

providing the processed information to the automatic context registration.

28. (new): The system as recited in Claim 1, wherein one of the real objects in the space is one of a machine, a barcode, a label, a component or a person.

29. (new): The system as recited in Claim 1, wherein the real objects in the space comprise tangible objects.

30. (new): The system as recited in Claim 1, wherein the real objects in the space comprise at least one tangible machine with a barcode or a label.